

UNIVERSITE DE LIEGE

Microbiologie et Hygiène

Prof. P. Fredericq

Liège, le February 26, 1958.

1, rue des Bonnes-Villes

Prof. J. LEDERBERG
Dept. of Genetics
University of Wisconsin
MADISON 6 (Wisconsin)

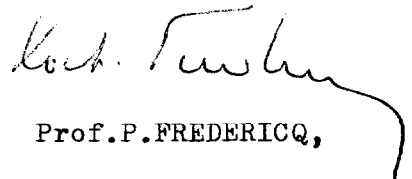
Dear Professor Lederberg,

I am sending by the same mail 2 strains of Salmonella producing colicin I, Sa.118 is a S.bareilly isolated from a chicken and S.211 is a S.typhi murium isolated from man. Some colicinogenic properties may be transferred from coli to Salmonella but I have not yet tried the reverse. While in the States I want to study the transfer by transduction between strains of Salmonella.

Sterilization by chloroform is accomplished by putting 0.5 to 1 ml of chloroform in the lid and keeping the petri dish closed during $\frac{1}{2}$ hour or more; the dish is then kept open for $\frac{1}{2}$ hour or more to evaporate what still remains. A second layer of about 4 ml of melted agar to which has been added 0.1 ml of a young broth culture of the indicator is then poured on top. The chloroform sterilization is efficient to kill all surface bacteria and to prevent their dissemination in the second layer, but some living cells may still be found in the depth of the colonies. The chloroform handling does not require a special chamber but of course it has to be done not too near a burning flame.

I am looking forward to seeing you soon.

Yours sincerely,


Prof. P. FREDERICQ,